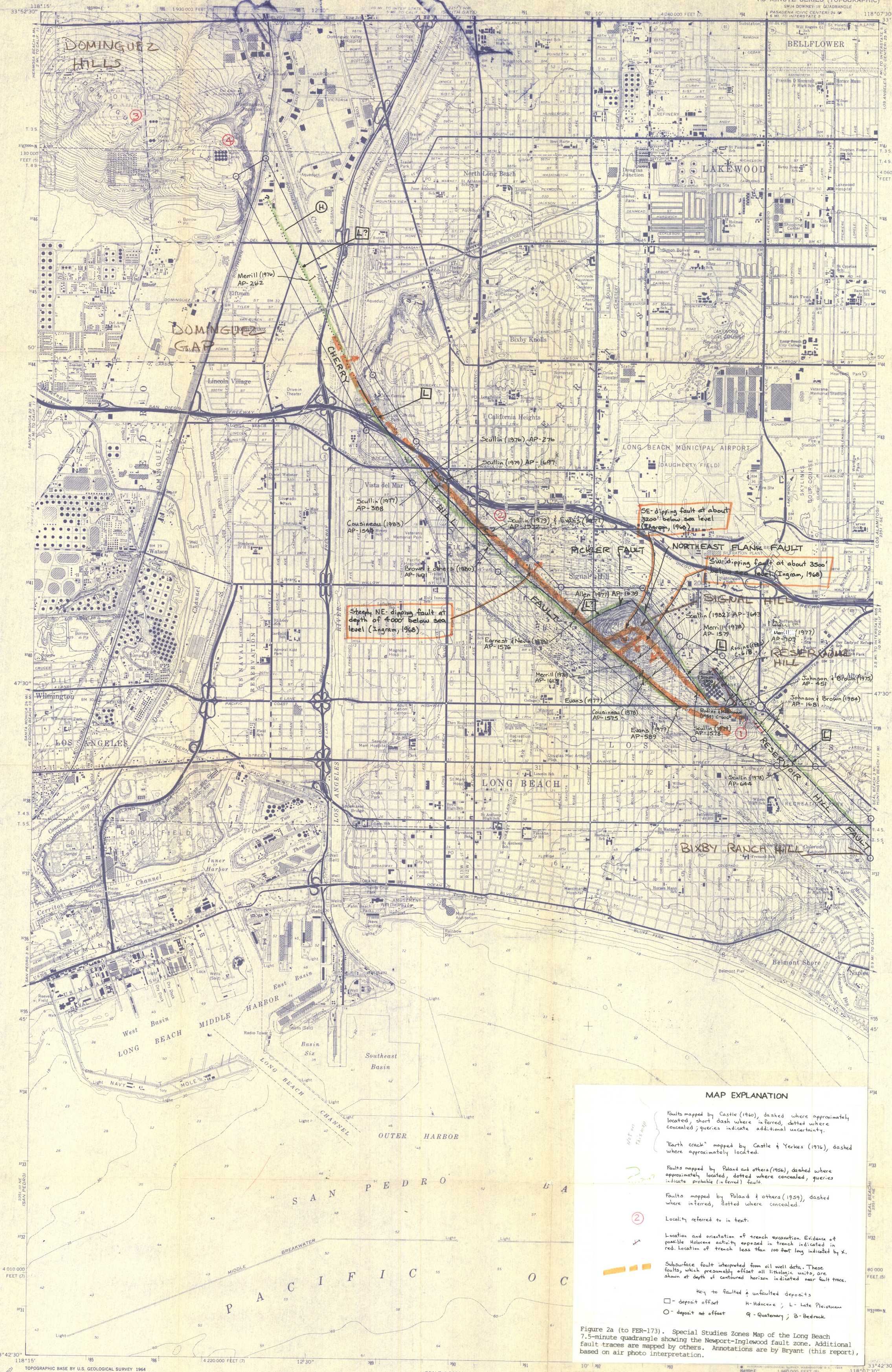
CALIFORNIA DIVISION OF MINES AND GEOLOGY
THOMAS E. GAY, JR., ACTING STATE GEOLOGIST

THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

LONG BEACH QUADRANGLE
CALIFORNIA–LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 DOWNEY 15' QUADRANGLE



MAP EXPLANATION

Faults mapped by Castle (1960), dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty. (Not on this map)

"Earth crack" mapped by Castle & Yerkes (1976), dashed where approximately located.

Faults mapped by Poland and others (1956), dashed where approximately located, dotted where concealed, queries indicate probable (inferred) fault.

Faults mapped by Poland & others (1959), dashed where inferred, dotted where concealed.

(2) Locality referred to in text.

Location and orientation of trench excavation. Evidence of possible Holocene activity exposed in trench indicated in red. Location of trench less than 100 feet long indicated by X.

Subsurface fault interpreted from oil well data. These faults, which presumably offset all lithologic units, are shown at depth of contoured horizon indicated near fault trace.

Key to faulted & unfaulted deposits

□ - deposit offset — H - Holocene; L - Late Pleistocene

○ - deposit not offset — Q - Quaternary; B - Bedrock

Figure 2a (to FER-173). Special Studies Zones Map of the Long Beach 7.5-minute quadrangle showing the Newport-Inglewood fault zone. Additional fault traces are mapped by others. Annotations are by Bryant (this report), based on air photo interpretation.

REFERENCES USED TO COMPILE FAULT DATA

Long Beach Quadrangle

Poland, J. F., Piper, A.M., and others, 1956, Ground-water geology of the coastal zone Long Beach-Santa Ana area, California: U.S. Geological Survey Water-Supply Paper 1109, 162 p.

MAP EXPLANATION

Potentially Active Faults

1906 C — Faults considered to have been active during Quaternary time; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

Special Studies Zone Boundaries

These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.

Seaward projection of zone boundary.

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES

Delineated in compliance with Chapter 7.5, Division 2 of the California Public Resources Code

LONG BEACH QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

T. E. Gay Jr. Acting State Geologist

IMPORTANT - PLEASE NOTE

1) *This map may not show all potentially active faults, either within the special studies zones or outside their boundaries.*
2) Faults shown are the basis for establishing the boundaries of the special studies zones.
3) The identification of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
4) Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.

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